

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504163

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-ND (2700K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-ND (2700K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

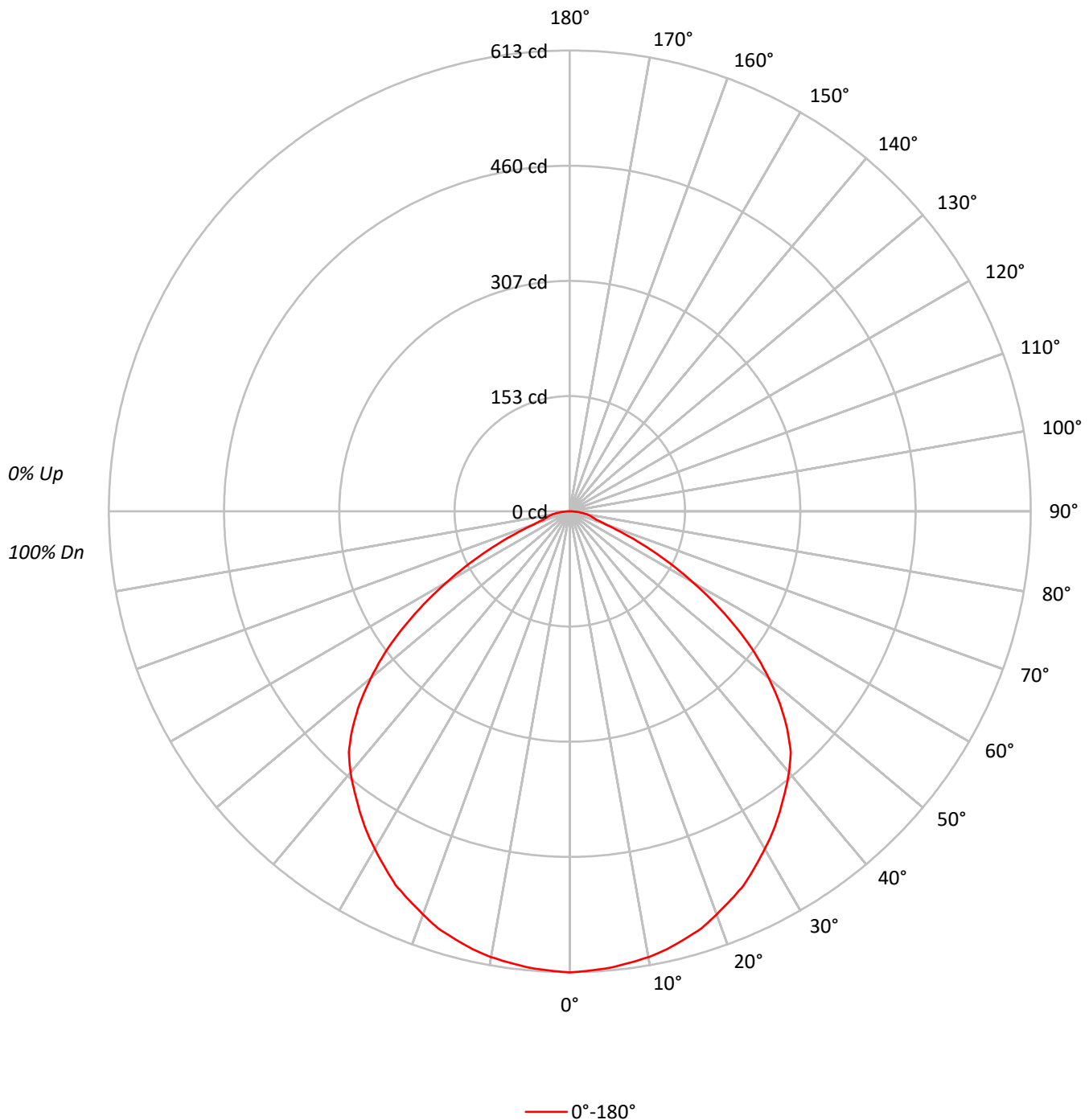
Lumens per Lamp: N/A
Luminaire Lumens: 1495.8 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 13.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1504163

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-ND (2700K-1200LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1504163

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-ND (2700K-1200LM)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87		
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75		
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65		
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	57	50	45	55	49	45	43		
7	68	55	47	41	66	55	47	41	53	46	41	52	45	40	50	45	40	38		
8	63	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34		
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31		
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6176
5°	6162
10°	6157
15°	6142
20°	6114
25°	6092
30°	6030
35°	5986
40°	5961
45°	5823
50°	5415
55°	4764
60°	3818
65°	2702
70°	1478
75°	1229
80°	1293
85°	1294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5823 cd/sqm

TEST NUMBER: P1504163

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-ND (2700K-1200LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	3.9
10°-20°	166.4	11.1
20°-30°	252.2	16.9
30°-40°	305.0	20.4
40°-50°	313.0	20.9
50°-60°	240.9	16.1
60°-70°	113.8	7.6
70°-80°	35.1	2.3
80°-90°	11.6	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	476.5	31.9
0°-40°	781.5	52.2
0°-60°	1335.4	89.3
0°-90°	1495.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1495.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	613	
5°	610	58
15°	589	166
25°	548	252
35°	487	305
45°	409	313
55°	271	241
65°	113	114
75°	32	35
85°	11	12
90°	0	

TEST NUMBER: P1504163

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-ND (2700K-1200LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	613.4
2.5°	611.5
5°	609.6
7.5°	605.9
10°	602.2
12.5°	596.6
15°	589.2
17.5°	581.8
20°	570.6
22.5°	559.5
25°	548.3
27.5°	533.4
30°	518.6
32.5°	503.7
35°	487.0
37.5°	470.2
40°	453.5
42.5°	434.9
45°	408.9
47.5°	379.2
50°	345.7
52.5°	310.4
55°	271.4
57.5°	230.5
60°	189.6
62.5°	150.6
65°	113.4
67.5°	78.1
70°	50.2
72.5°	37.2
75°	31.6
77.5°	27.9
80°	22.3
82.5°	16.7
85°	11.2
87.5°	3.7
90°	0.0

(END OF REPORT)